

Title (en)  
PURIFYING AGENT FOR FLUE GAS AND INCINERATED ASH AND PURIFICATION METHOD USING THE SAME

Title (de)  
REINIGUNGSMITTEL FÜR ABGAS UND VERBRANNTES ASCHEN SOWIE VERFAHREN ZU SEINER VERWENDUNG

Title (fr)  
AGENT DE PURIFICATION DE FUMÉES OU DE CENDRES D'INCINÉRATION, ET PROCÉDÉ DE PURIFICATION METTANT EN ŒUVRE CET AGENT

Publication  
**EP 1086738 B1 20050824 (EN)**

Application  
**EP 00902937 A 20000210**

Priority

- JP 0000781 W 20000210
- JP 3992999 A 19990218
- JP 16650699 A 19990614

Abstract (en)  
[origin: EP1086738A1] The present invention provides a purifying agent having an effect of removing or decomposing toxic substances contained in flue gas or incinerated ash. The purifying agent of the present invention contains one or more kinds of salts selected from alkali metal silicates, fluoride ion, hydrogencarbonate ion, and water-soluble alcohols or derivatives thereof. <IMAGE>

IPC 1-7  
**B01D 53/77**; **B09B 3/00**; **B01D 53/50**; **F23J 15/00**; **F23J 15/04**

IPC 8 full level  
**B01D 53/34** (2006.01); **B01D 53/70** (2006.01); **B01D 53/77** (2006.01); **B01D 53/78** (2006.01); **B01D 53/81** (2006.01); **B09B 3/00** (2006.01); **F23J 1/00** (2006.01); **F23J 15/00** (2006.01); **F23J 15/04** (2006.01); **A62D 101/08** (2007.01)

CPC (source: EP KR US)  
**A62D 3/30** (2013.01 - EP US); **B01D 53/70** (2013.01 - EP US); **B01D 53/77** (2013.01 - EP KR US); **B01D 53/78** (2013.01 - EP US); **B09B 3/00** (2013.01 - EP US); **F23J 15/003** (2013.01 - EP US); **A62D 2101/08** (2013.01 - EP US); **B01D 2257/206** (2013.01 - EP US)

Cited by  
US7964170B2; WO2014057293A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 1086738 A1 20010328**; **EP 1086738 A4 20021002**; **EP 1086738 B1 20050824**; AT E302643 T1 20050915; CN 1161176 C 20040811; CN 1294531 A 20010509; DE 60022142 D1 20050929; DE 60022142 T2 20060413; JP 2000300938 A 20001031; KR 100446158 B1 20040830; KR 20010034787 A 20010425; TW 461824 B 20011101; US 6652821 B1 20031125; WO 0048714 A1 20000824

DOCDB simple family (application)  
**EP 00902937 A 20000210**; AT 00902937 T 20000210; CN 00800183 A 20000210; DE 60022142 T 20000210; JP 0000781 W 20000210; JP 16650699 A 19990614; KR 20007011528 A 20001017; TW 89102476 A 20000215; US 67343300 A 20001018